



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

**JUL 8 2005**

DOT-E 14152

EXPIRATION DATE: May 31, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: SAES Pure Gas, Inc.  
San Luis Obispo, CA
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of certain dry metal catalyst in UN4G combination packages or UN4D wooden boxes with stainless steel inner receptacles. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.187 in that inner receptacles which exceed the maximum capacities listed are not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of SAES Pure Gas, Inc. dated February 7, 2005 and additional information dated June 1, 2005, submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Metal catalyst, dry	4.2	UN2881	PGII

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are a UN 4G or UN4D outer packaging containing a stainless steel pressure vessel, under a nitrogen or argon blanket not exceeding 25 psig, serving as an inner receptacle. The pressure vessel must be as shown SAES Pure Gas, Inc. drawings on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). Each outer packaging may contain a maximum quantity of 50 kg of dry metal catalyst. Additionally, the pressure vessel must:

- (1) be designed, constructed, and tested in accordance with Section VIII, Division I of the ASME Boiler and Pressure Vessel Code but not "U" stamped;
- (2) have a minimum design pressure of 500 psig;
- (3) have a maximum allowable working pressure of 150 psig;
- (4) be fabricated from 316L stainless steel;
- (5) be securely closed on each end with threaded caps of ½" or smaller on each end; and
- (6) not contain more than 25 kg of dry metal catalyst.

b. TESTING - Each inner receptacles must be proof tested to 225 psig prior to shipment without leakage or other evidence of failure.

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8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each UN 4G or UN4D must be plainly and durably marked "DOT-E 14152" as specified in §172.301(c).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

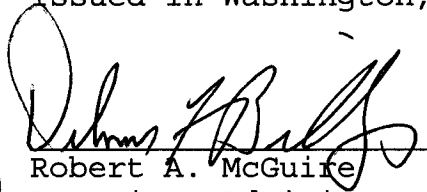
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any incident involving a package, shipment or operation conducted under terms of this exemption.

Issued in Washington, D.C.

for   
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

JUN 8 2005  
DATE

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: DBurger



U.S. Department  
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400 Seventh Street, S.W.  
Washington, D.C. 20590

**APPROVAL CA2005070010**  
**ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES**  
**EXPIRATION DATE: See DOT-E 14152**

1. **APPROVAL HOLDER:** SAES Pure Gas, Inc.  
4175 Santa Fe Road  
San Luis Obispo, CA 93401
2. **REGULATORY AUTHORITY:** Part 1; Chapter 1, paragraph 1.1.2  
of the International Civil Aviation Organization's  
Technical Instructions for the Safe Transport of Dangerous  
Goods by Air (ICAO TI).
3. **SYNOPSIS:** SAES Pure Gas, Inc. is authorized to offer for  
transportation Division 4.2 (spontaneously combustible)  
solids in non-DOT specification stainless steel pressure  
vessels that conform to the requirements of the United  
States Department of Transportation's exemption DOT-E  
14152.
4. **BASIS:** This approval is issued in response to SAES Pure  
Gas, Inc.'s application dated February 4, 2005.
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This  
approval does not provide relief from any requirements of  
the Hazardous Materials Regulations, or ICAO TI except as  
stated herein. This approval is valid until the posted  
expiration date or until terminated by the Associate  
Administrator for Hazardous Materials Safety.
  - a. **Approved Materials:** Only the following material(s)  
may be transported under the terms of this approval.

Proper shipping name-Hazardous materials description	Hazard Class/ Division	Identi- fication Number	Packing Group
Metal catalyst, dry	4.2	UN2881	II

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b. Packaging: Packaging prescribed is a non-DOT specification stainless steel pressure vessel conforming to the requirements of DOT-E 14152.

c. Marking Requirements: Each package and overpack if used, prepared under the provisions of this approval must be plainly marked with the approval number.

6. **MODES OF TRANSPORTATION AUTHORIZED**: Motor vehicle, and cargo aircraft only.

7. **SPECIAL PROVISIONS**:

a. A copy of this approval and DOT-E 14152 must accompany any shipment made under the terms of this approval.

b. Any person who offers for transportation or transports the above-described package(s) may do so under the authority of this approval if all requirements and conditions of this approval and DOT-E 14152 are met.

c. This approval in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of the countries of transit and destination.

8. **GENERAL PROVISIONS**:

a. Failure by any person to comply with the terms and conditions of this approval, ICAO TI, and the Hazardous Materials Regulations, 49 CFR Parts 171-180, may result in the modification, suspension or termination of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances or additional information not available when this approval was issued. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, that person will be notified and provided with an opportunity to show why the proposed action should not be taken.

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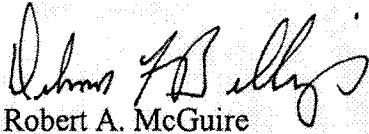
b. Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.

c. Any person operating under the terms of this approval must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

Issued in Washington, D.C.

Dated: July 8, 2005

Approved by:



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Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-32.